

### Course Description

#### **Mobile communication**

1. Cellular Principle
2. GSM Principle & Architecture
3. RF Interface and GSM Channel
4. Call Processing Handover and Mobility Management
5. Mobile Data Network ( GPRS,EDGE,3G)
6. Mobile Data Network (4G) and overview of 5G
7. Drive Test Overview
8. Visit to BSNL Mobile N/w HQ
9. Measurement of Antenna Setup
10. GPS and Compass Application in Mobile Communication

#### **Optical Fiber Communication**

1. Introduction to Optical Fiber Cable and its characteristics
2. Optical Fiber Cable Construction and Color Coding
3. Optical Fiber Cable end preparation and splicing
4. PCM system used in Telecom
5. Multiplexing and PDH OFC system
6. Introduction to OTDR
7. OFC Measurement with OTDR
8. SDH OFC system
9. DWDM FTTH & PON
10. Visit to OFC system

For more information and registration :

**[www.rttcam.bsnl.co.in](http://www.rttcam.bsnl.co.in)**

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**Participant will be awarded with certificate**